

BR119, BR120 ON SR 82 OVER RED CLAY CREEK**PROJECT SCOPE/DESCRIPTION:**

BR119 - The proposed work includes replacing the bridge deck; patching and sealing the substructure concrete; replacing the bridge rail and upgrading the existing guardrail.

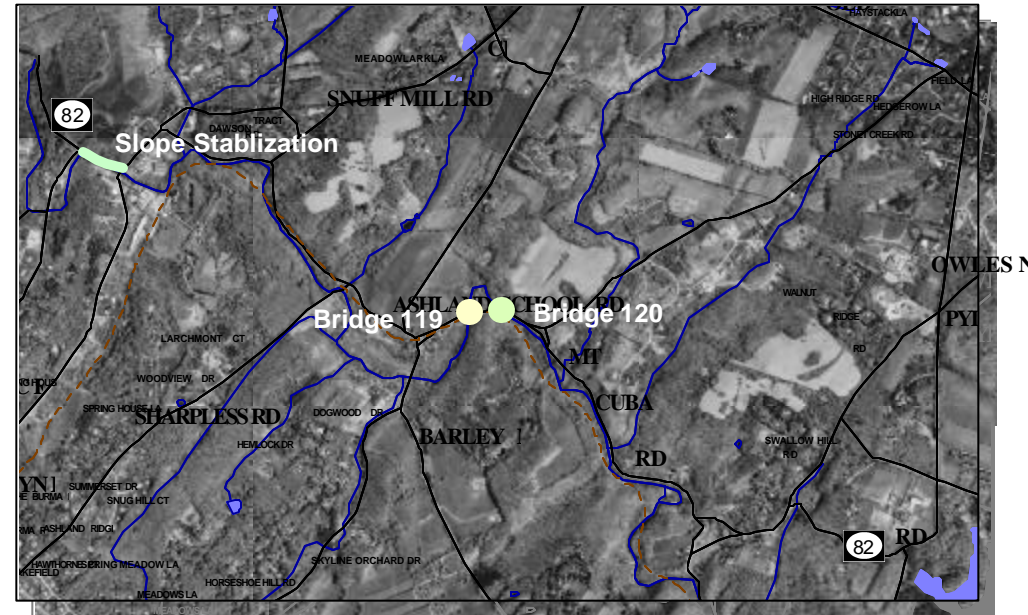
BR120 – The project will rehabilitate the existing historic concrete arch bridge while maintaining the existing geometry. Guardrails will be placed at the bridge ends to improve safety.

Construction of both bridges will be coordinated with the SR 82 Slope Stabilization project.

PROJECT JUSTIFICATION:

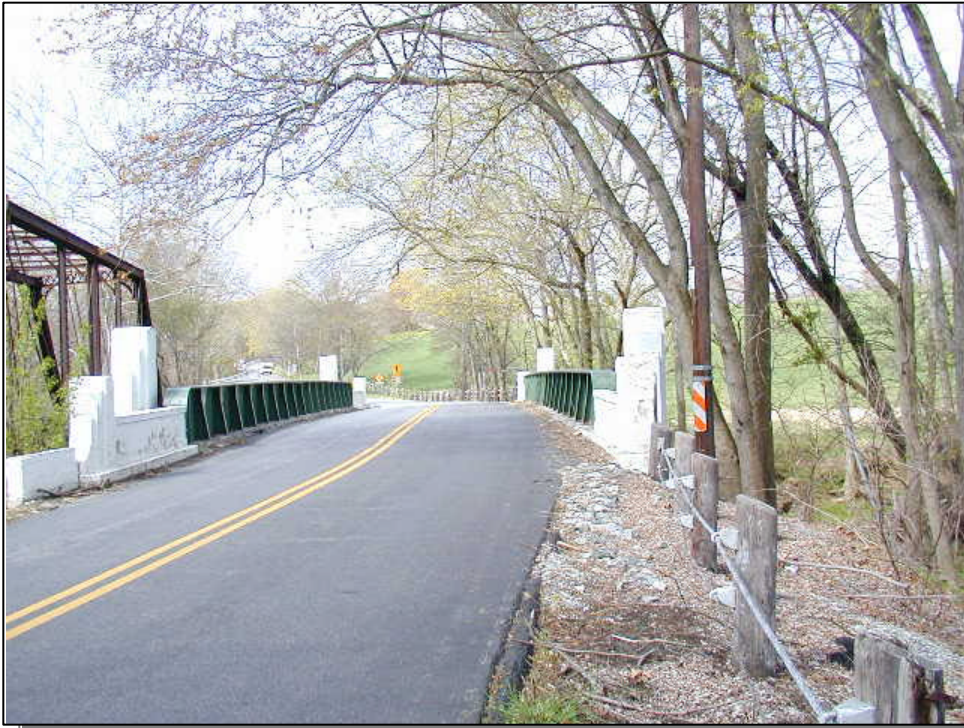
BR119 - The bridge is structurally deficient and ranks 239th on the bridge deficiency list. (This bridge will be funded from special innovative bridge research and construction funds from Federal Highway Administration [FHWA]).

BR120 – The bridge ranks 53rd on the bridge deficiency list.



BR119, BR120 ON SR 82 OVER RED CLAY CREEK (CONTINUED)

Bridge 119



Bridge 120



BR119, BR120 ON SR 82 OVER RED CLAY CREEK (CONTINUED)

County: New Castle
Municipality:
Funding Program: Road System – Bridge Improvements
Functional Category: Preservation
Representative District: 12
Senatorial District: 6

Funding Information

Prior Expenditures FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005-2007	Total
80	156	59	5	1,550			1,850

All \$ X 1,000

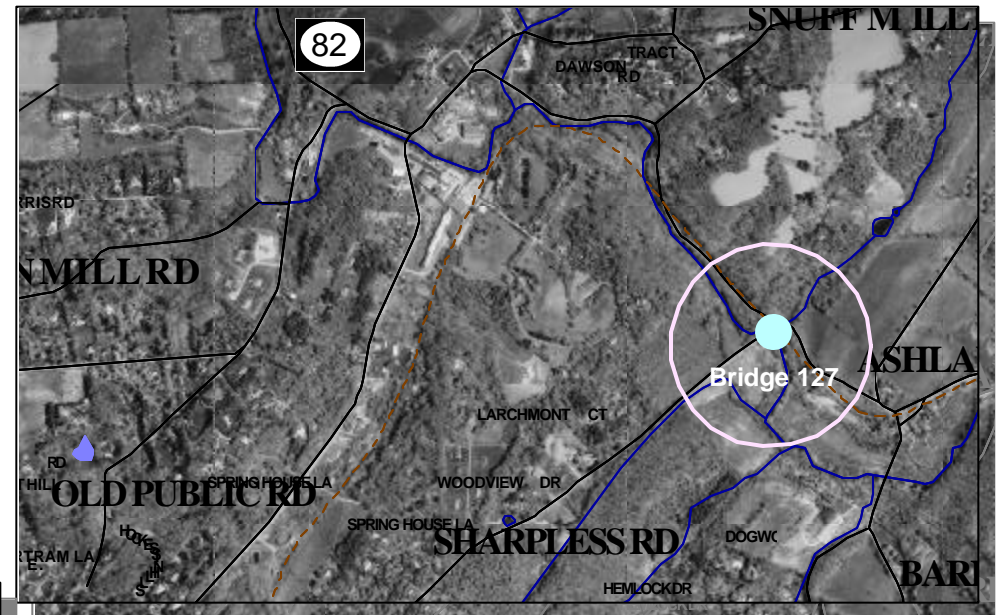
FMB ID OR PROJ #	INDIVIDUALL PROJECT SEGMENTS	PHASE	FUNDING	EST COST TO COMPLETE IN TODAY'S \$	FY 2001 7/00-6/01 TOTAL	FY 2002 7/01-6/02 TOTAL	FY 2003 7/02-6/03 TOTAL	FY 2004 7/03-6/04 TOTAL	FY 2005-2007 7/04-6/07 TOTAL
20-074-02	Bridge 119	R/W C	100% ST 80% F – Q11	5 430	5	430			
98-074-01	Bridge 120	C	80% F – Q11	<u>1,120</u>	_____	<u>1,120</u>			
			TOTAL	1,555	5	1,550			

All \$ X 1,000

BR127 ON SHARPLESS ROAD OVER RED CLAY CREEK

PROJECT SCOPE/DESCRIPTION: Proposed improvements include the replacement of the existing restressed concrete beam bridge on masonry abutments with prestressed concrete beams, as well as 100 meters of approach roadway work.

PROJECT JUSTIFICATION: The bridge is structurally deficient and ranks 169th on the bridge deficiency list.



BR127 ON SHARPLESS ROAD OVER RED CLAY CREEK (CONTINUED)

County: New Castle
Municipality:
Funding Program: Road System – Bridge Improvements
Functional Category: Preservation
Representative District: 12
Senatorial District: 6

Funding Information

Prior Expenditures FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005-2007	Total
	18	26	670				714

All \$ X 1,000

FMB ID OR PROJ #	PHASE	FUNDING	EST COST TO COMPLETE IN TODAY'S \$	FY 2001 7/00-6/01 TOTAL	FY 2002 7/01-6/02 TOTAL	FY 2003 7/02-6/03 TOTAL	FY 2004 7/03-6/04 TOTAL	FY 2005-2007 7/04-6/07 TOTAL
20-071-08	R/W C	100% ST 80% F – Q11	10 <u>660</u>	10 <u>660</u>				
		TOTAL	670	670				

All \$ X 1,000

BR158 ON SR 4 OVER HERSHEY RUN

PROJECT SCOPE/DESCRIPTION: The project will rehabilitate the existing structure and provide scour countermeasures.

PROJECT JUSTIFICATION: The bridge is structurally deficient and ranks 64th on the bridge deficiency list.



BR158 ON SR 4 OVER HERSHEY RUN (CONTINUED)

County: New Castle
Municipality:
Funding Program: Road System – Bridge Improvements
Functional Category: Preservation
Representative District: 19
Senatorial District: 9

Funding Information

Prior Expenditures FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005-2007	Total
	21	20		170			211

All \$ X 1,000

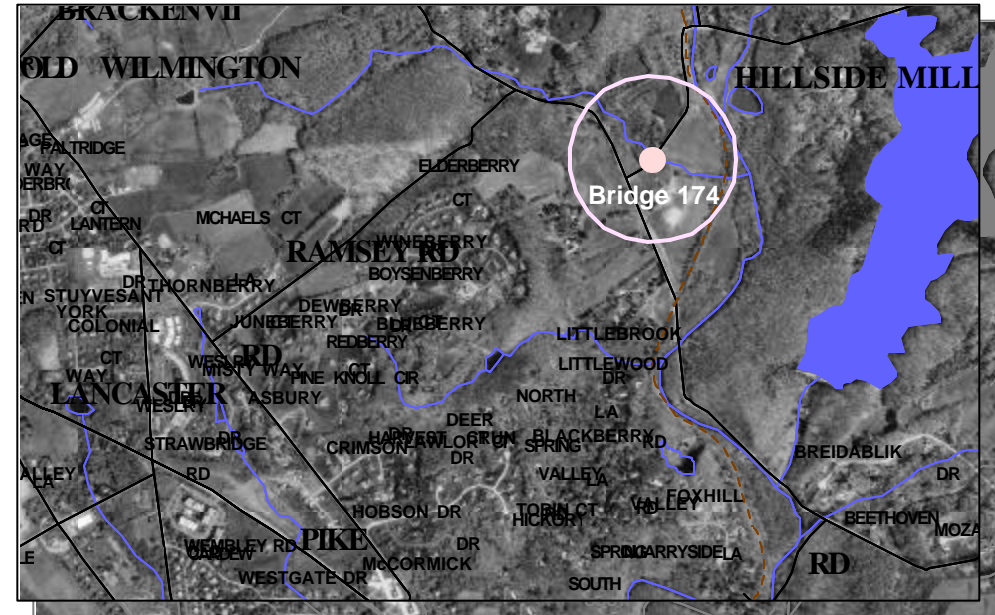
FMB ID OR PROJ #	PHASE	FUNDING	EST COST TO COMPLETE IN TODAY'S \$	FY 2001 7/00-6/01 TOTAL	FY 2002 7/01-6/02 TOTAL	FY 2003 7/02-6/03 TOTAL	FY 2004 7/03-6/04 TOTAL	FY 2005-2007 7/04-6/07 TOTAL
99-071-04	R/W C	100% ST 80% F – Q05	20 <u>150</u>	20 <u>150</u>				
		TOTAL	170	170				

All \$ X 1,000

BR174 ON HILLSIDE ROAD OVER RED CLAY CREEK TRIBUTARY

PROJECT SCOPE/DESCRIPTION: Improvements will include replacement of the existing rigid frame with a four-sided concrete box culvert, as well as the placement of riprap to protect the foundation. Stabilization of the roadway slope near the site will also be addressed.

PROJECT JUSTIFICATION: The bridge is structurally deficient and ranks 103rd on the bridge deficiency list.



BR174 ON HILLSIDE ROAD OVER RED CLAY CREEK TRIBUTARY (CONTINUED)

County: New Castle
Municipality:
Funding Program: Road System – Bridge Improvements
Functional Category: Preservation
Representative District: 12
Senatorial District: 6

Funding Information

Prior Expenditures FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005-2007	Total
	29	18	14	600			661

All \$ X 1,000

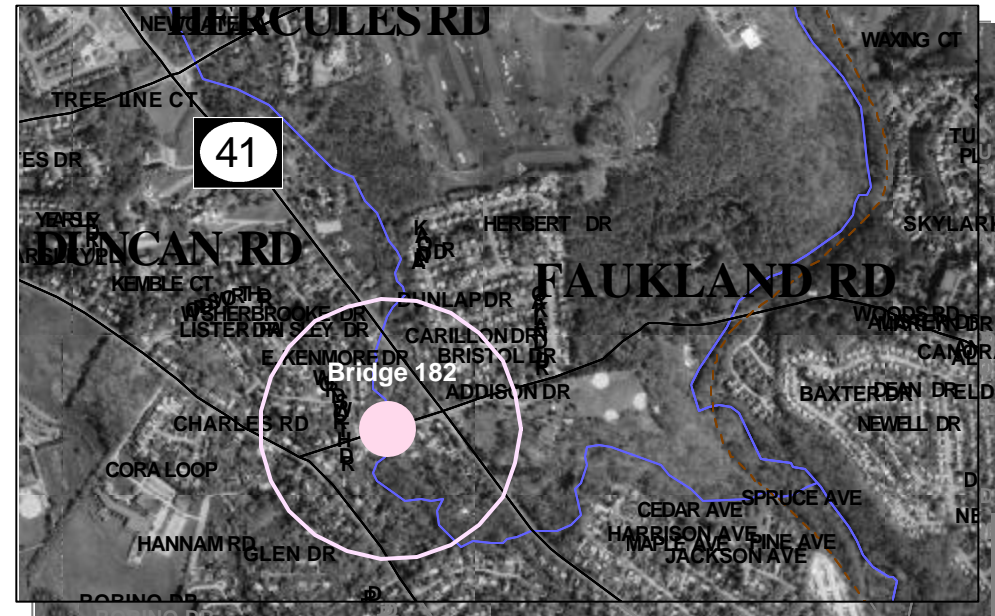
FMB ID OR PROJ #	PHASE	FUNDING	EST COST TO COMPLETE IN TODAY'S \$	FY 2001 7/00-6/01 TOTAL	FY 2002 7/01-6/02 TOTAL	FY 2003 7/02-6/03 TOTAL	FY 2004 7/03-6/04 TOTAL	FY 2005-2007 7/04-6/07 TOTAL
20-071-01	R/W C	100% ST 80% F – Q12	14 <u>600</u>	14 <hr/>	<u>600</u>			
		TOTAL	614	14	600			

All \$ X 1,000

BR182 ON FAULKLAND ROAD OVER HYDE RUN SOUTHWEST OF CEDARS

PROJECT SCOPE/DESCRIPTION: Improvements will include the replacement of the existing concrete deck with lightweight concrete, as well as making existing steel beams composite with the concrete deck. The parapet will be reconstructed to resemble the existing parapet.

PROJECT JUSTIFICATION: The bridge is structurally deficient and ranks 92nd on our bridge deficiency list.



BR182 ON FAULKLAND ROAD OVER HYDE RUN SOUTHWEST OF CEDARS (CONTINUED)

County: New Castle
Municipality:
Funding Program: Road System – Bridge Improvements
Functional Category: Preservation
Representative District: 12, 19
Senatorial District: 7,8

Funding Information

Prior Expenditures FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005-2007	Total
			60	315			375

All \$ X 1,000

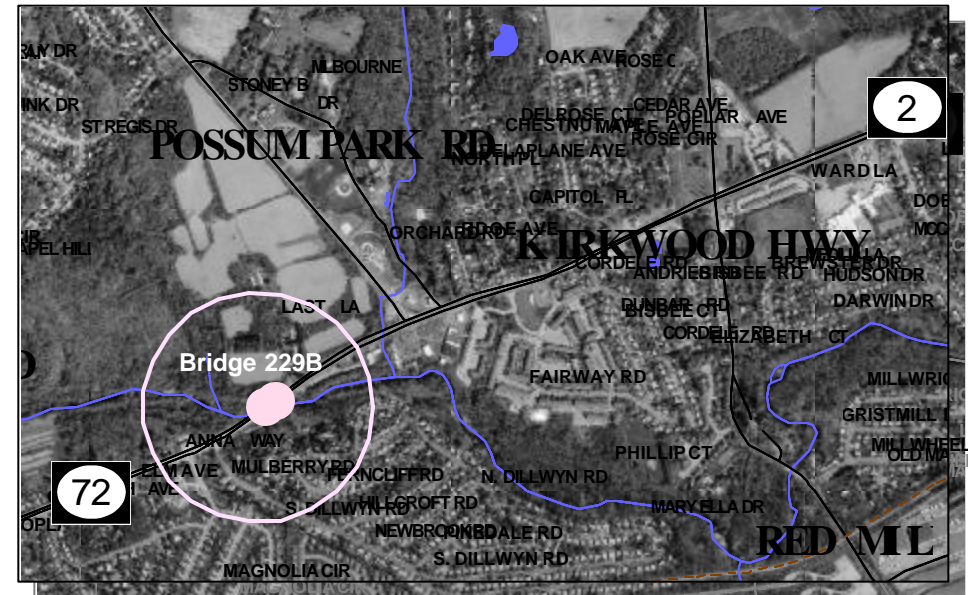
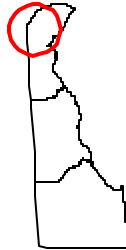
FMB ID OR PROJ #	PHASE	FUNDING	EST COST TO COMPLETE IN TODAY'S \$	FY 2001 7/00-6/01 TOTAL	FY 2002 7/01-6/02 TOTAL	FY 2003 7/02-6/03 TOTAL	FY 2004 7/03-6/04 TOTAL	FY 2005-2007 7/04-6/07 TOTAL
	PE R/W C	100% ST 100% ST 80% F – Q12	60 15 <u>300</u>	60 —	 15 <u>300</u>			
		TOTAL	375	60	315			

All \$ X 1,000

BR229B ON KIRKWOOD HIGHWAY (SR 2) OVER WHITE CLAY CREEK

PROJECT SCOPE/DESCRIPTION: Improvements will include the rehabilitation of the existing steel beams and bearings; the repair of spalled areas of the pier cap and abutments; the scaling of approach slab cracks; as well as repair of scour holes around the existing piers.

PROJECT JUSTIFICATION: The bridge is structurally deficient and ranks 49th on the bridge deficiency list.



BR229B ON KIRKWOOD HIGHWAY (SR 2) OVER WHITE CLAY CREEK (CONTINUED)

County: New Castle
Municipality:
Funding Program: Road System – Bridge Improvements
Functional Category: Preservation
Representative District: 14
Senatorial District: 6,11

Funding Information

Prior Expenditures FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005-2007	Total
			75	909			984

All \$ X 1,000

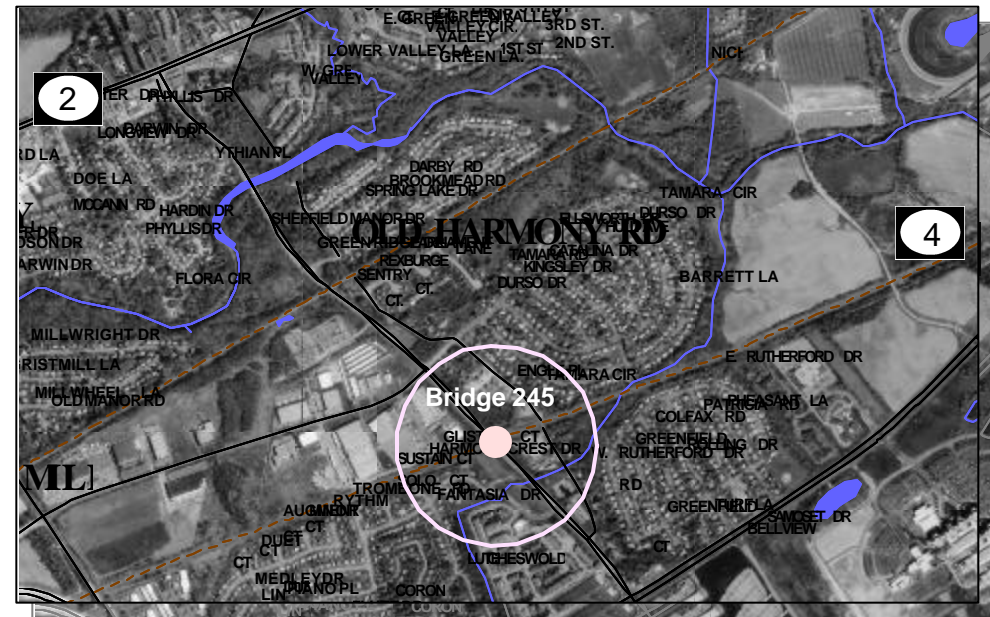
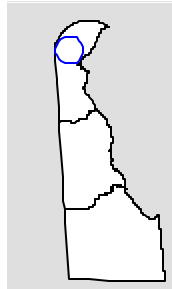
FMB ID OR PROJ #	PHASE	FUNDING	EST COST TO COMPLETE IN TODAY'S \$	FY 2001 7/00-6/01 TOTAL	FY 2002 7/01-6/02 TOTAL	FY 2003 7/02-6/03 TOTAL	FY 2004 7/03-6/04 TOTAL	FY 2005-2007 7/04-6/07 TOTAL
21-074-04	PE R/W C	100% ST 100% ST 80% F – Q10 TOTAL	75 9 <u>900</u> 984	75 <u> </u> 75	 9 <u>900</u> 909			

All \$ X 1,000

BR245 ON HARMONY ROAD OVER AMTRAK

PROJECT SCOPE/DESCRIPTION: Improvements will include the rehabilitation of the bridge with an overlay of the bridge deck; replacement of deck joints; painting of steel beams; patching and sealing the substructure concrete; and upgrading the guardrail connections and end treatments.

PROJECT JUSTIFICATION: The bridge is structurally deficient and ranks 322nd on the bridge deficiency list.



BR245 ON HARMONY ROAD OVER AMTRAK (CONTINUED)

County: New Castle
Municipality:
Funding Program: Road System – Bridge Improvements
Functional Category: Preservation
Representative District: 14,18
Senatorial District: 9,11

Funding Information

Prior Expenditures FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005-2007	Total
		6	720				726

All \$ X 1,000

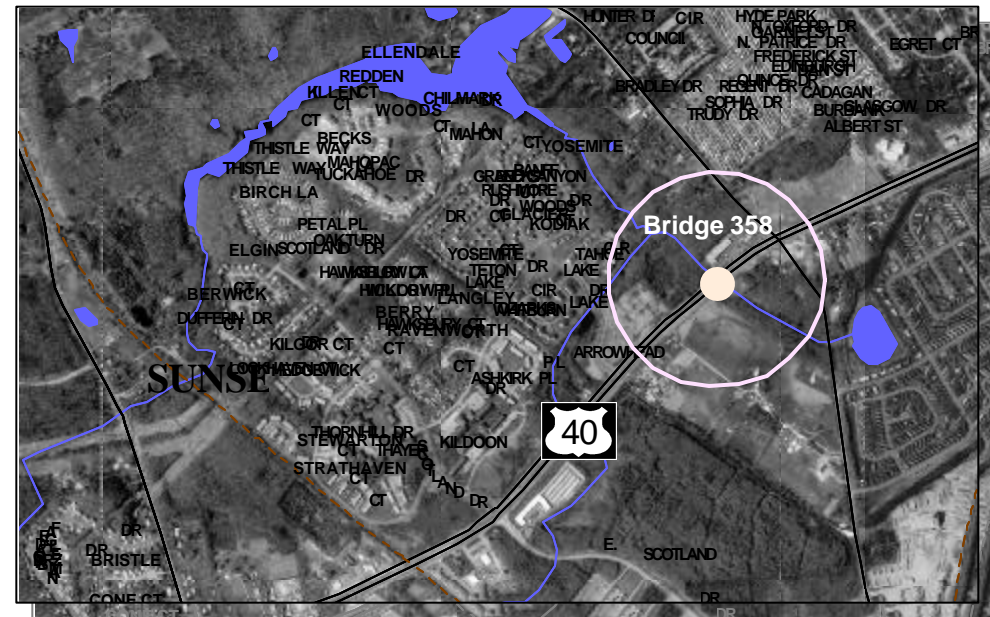
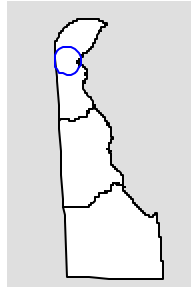
FMB ID OR PROJ #	PHASE	FUNDING	EST COST TO COMPLETE IN TODAY'S \$	FY 2001 7/00-6/01 TOTAL	FY 2002 7/01-6/02 TOTAL	FY 2003 7/02-6/03 TOTAL	FY 2004 7/03-6/04 TOTAL	FY 2005-2007 7/04-6/07 TOTAL
20-074-04	C	100% ST	720	720				

All \$ X 1,000

BR358 ON PULASKI HIGHWAY (US 40) OVER BELLTOWN RUN, BEAR

PROJECT SCOPE/DESCRIPTION: Improvements will include the replacement of the existing culvert with a four sided box culvert; as well as the placement of riprap at the inlet and outlet. (Traffic will be maintained during construction by paving the median.)

PROJECT JUSTIFICATION: The bridge is structurally deficient and ranks 165th on the bridge deficiency list.



BR358 ON PULASKI HIGHWAY (US 40) OVER BELLTOWN RUN, BEAR (CONTINUED)

County: New Castle
Municipality:
Funding Program: Road System – Bridge Improvements
Functional Category: Preservation
Representative District: 24
Senatorial District: 12

Funding Information

Prior Expenditures FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005-2007	Total
		22	27	10	550		609

All \$ X 1,000

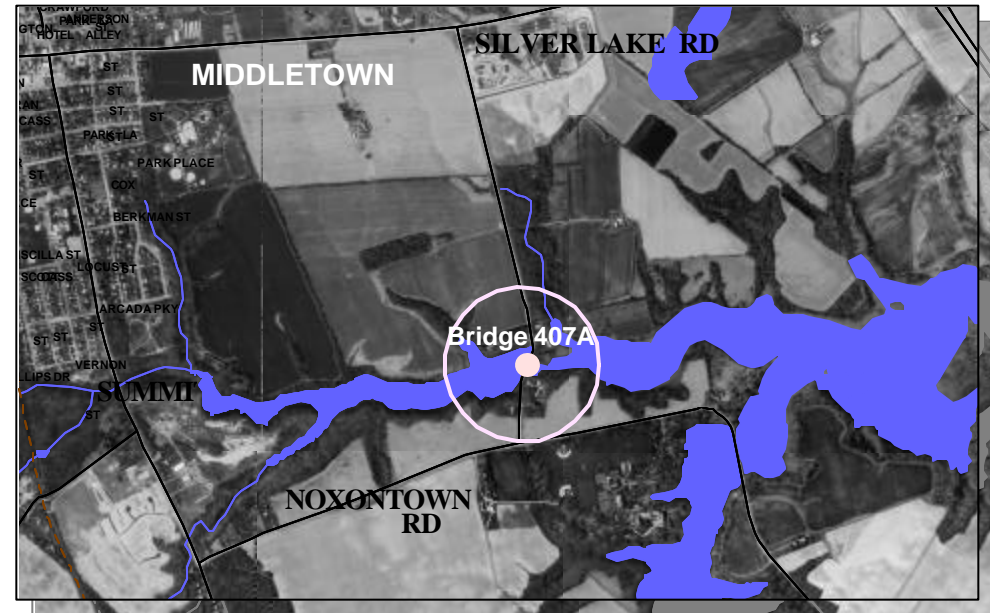
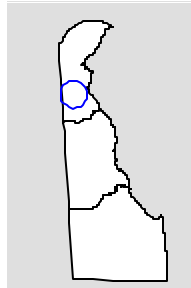
FMB ID OR PROJ #	PHASE	FUNDING	EST COST TO COMPLETE IN TODAY'S \$	FY 2001 7/00-6/01 TOTAL	FY 2002 7/01-6/02 TOTAL	FY 2003 7/02-6/03 TOTAL	FY 2004 7/03-6/04 TOTAL	FY 2005-2007 7/04-6/07 TOTAL
20-071-06	R/W C	100% ST 100% ST	10 <u>550</u>	10 <u> </u>	<u>550</u>			
		TOTAL	560	10	550			

All \$ X 1,000

BR407A ON SILVER LAKE ROAD, AT SILVER LAKE

PROJECT SCOPE/DESCRIPTION: Improvements will include replacement of the bridge with a concrete box culvert and sluice gate; construction of a guardrail at both bridge approaches and the placement of riprap at culvert entrance and exit. This project will also include the addition of a fish ladder on Bridge 504 to allow passage of fish into Silver Lake in Middletown. The work would fulfill a commitment made to Division of Fish and Wildlife in 1999 when Bridge 504 was reconstructed after hurricane Floyd.

PROJECT JUSTIFICATION: The bridge is structurally deficient and ranks 84th on the bridge deficiency list.



BR407A ON SILVER LAKE ROAD, AT SILVER LAKE (CONTINUED)

County: New Castle
Municipality:
Funding Program: Road System – Bridge Improvements
Functional Category: Preservation
Representative District: 9
Senatorial District: 14

Funding Information

Prior Expenditures FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005-2007	Total
	10	91		300			401

All \$ X 1,000

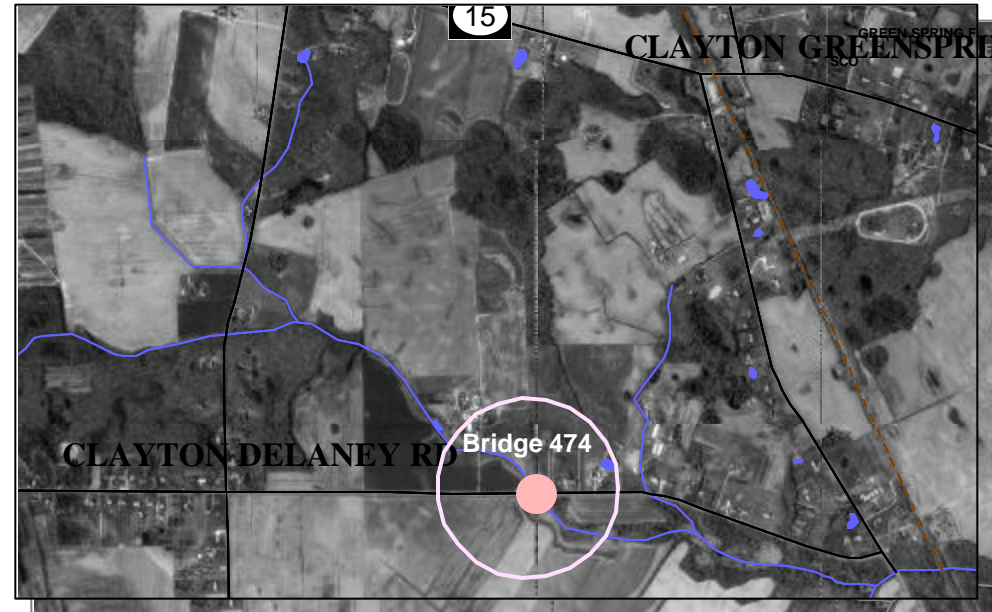
FMB ID OR PROJ #	PHASE	FUNDING	EST COST TO COMPLETE IN TODAY'S \$	FY 2001 7/00-6/01 TOTAL	FY 2002 7/01-6/02 TOTAL	FY 2003 7/02-6/03 TOTAL	FY 2004 7/03-6/04 TOTAL	FY 2005-2007 7/04-6/07 TOTAL
20-071-04	C	100% ST	300		300			
		Total	300		300			

All \$ X 1,000

BR474 ON CLAYTON DELANEY ROAD OVER PAW PAW BRANCH, NORTH OF CLAYTON

PROJECT SCOPE/DESCRIPTION: Improvements will include replacement of the superstructure with prestressed concrete slabs; construction of a concrete deck; placement of guardrails at both bridge approaches; and installation of riprap at the bridge abutments. The proposed roadway section will have two 10-foot travel lanes and two 7-foot wide shoulders.

PROJECT JUSTIFICATION: The bridge is structurally deficient and ranks 96th on the deficiency list.



BR474 ON CLAYTON DELANEY ROAD OVER PAW PAW BRANCH, NORTH OF CLAYTON (CONITNUED)

County: New Castle
Municipality:
Funding Program: Road System – Bridge Improvements
Functional Category: Preservation
Representative District: 28
Senatorial District: 14

Funding Information

Prior Expenditures FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005-2007	Total
			42	232			274

All \$ X 1,000

FMB ID OR PROJ #	PHASE	FUNDING	EST COST TO COMPLETE IN TODAY'S \$	FY 2001 7/00-6/01 TOTAL	FY 2002 7/01-6/02 TOTAL	FY 2003 7/02-6/03 TOTAL	FY 2004 7/03-6/04 TOTAL	FY 2005-2007 7/04-6/07 TOTAL
21-071-01	PE R/W C	100% ST 100% ST 80% F – Q24	42 16 <u>216</u>	42	16 <u>216</u>			
		TOTAL	274	42	232			

All \$ X 1,000

BR559 ON GOVERNOR PRINTZ BOULEVARD OVER STONEY RUN

PROJECT SCOPE/DESCRIPTION: Improvements will include replacement of the steel beams and concrete deck with prestressed concrete beams with parapets; riprap will be placed in the stream bed; existing abutments will be rehabilitated, and guardrail will be installed.

PROJECT JUSTIFICATION: The bridge is structurally deficient and ranks 138th on the deficiency list.



BR559 ON GOVERNOR PRINTZ BOULEVARD OVER STONEY RUN (CONTINUED)

County: New Castle
Municipality:
Funding Program: Road System – Bridge Improvements
Functional Category: Preservation
Representative District: 6
Senatorial District: 4

Funding Information

Prior Expenditures FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005-2007	Total
			181	1,113			1,294

All \$ X 1,000

FMB ID OR PROJ #	PHASE	FUNDING	EST COST TO COMPLETE IN TODAY'S \$	FY 2001 7/00-6/01 TOTAL	FY 2002 7/01-6/02 TOTAL	FY 2003 7/02-6/03 TOTAL	FY 2004 7/03-6/04 TOTAL	FY 2005-2007 7/04-6/07 TOTAL
21-071-04	PE R/W C	100% ST 100% ST 80% F – Q10 TOTAL	171 10 <u>1,113</u> 1,294	171 10 181	 1,113 1,113			

All \$ X 1,000